Moreover the esophagus is not formed as an invagination from the anterior extremity of the intestinal fold, but as a pal-like epithelial growth along the lower border of the dorsal fold in the branchial space, which, being afterwards constricted off at its base by the surrounding conuective tissue, becomes a solid cellular cord runniug in the depths of the fold. The starting-point of the whole new formation is certainly the spot at the end of the branchial space where the entrance to the stomach is closed by the thickening of the lips surrounding it.-Zool. Anzeiger, January 13, 1890, p. 11.

> The Amphipoche of the Borlonnais.-I. Unciola crenatipalmata, Spence Bute. By M. Jules Bonvier.

In this paper, which is illustrated by two plates, the author gives a detailed description of the Amphipod Crustacean first described by Gosse as identical with the Unciola irrorata of Say, and afterwards recognized as distinct by Spence Bate and described by him under the name of Dryope crenatipalmata. The author discusses at some length the characters presented by the species, and gives the following series of tables to serve for its identification :-

III. (oropimidne.


## IV. Unciola.



The genus Unciola was established by Say in 1818, and adopted by Milne-Edwards and other authors. Synonyms are Dryope, $\mathrm{S}_{\mathrm{p}}$. Bate, Glauconome, p. Kröyer, and C'yrtophium, p. Danielssen.

The species referred to the genus, as seen in the above table, are:-1. Unciola crenatipalmata, Sp. Bate (=irrorata, Gosse, nec Say), of the seas of western Europe ; 2. U. irorata, Say ( $=$ Glauconome lencopis, Kröyer, and Cyrthophium Darwinit, Danielssea), from the Aretic seas and those of Britain and Norway ; 3. U. plenipes, Norman (=lencopes, Sp. Bate and Westw., Glauconome Kroeyeri and Steenstrupii, Boeck), from the shores of Greenland, Norway, England, and Erance ; 4. U. petalocera, G. O. Sars, from the Arctic Ocean ; 5. U. crassipes, Hansen, from the west coast of Greenlaud; and 6. U. Taticornis, Hansen, from the same region.-Bull. Scient. tome xx. 1889, pp. 229-254.

